

Figure 1: Known Steps in the Rev/RRE Pathway

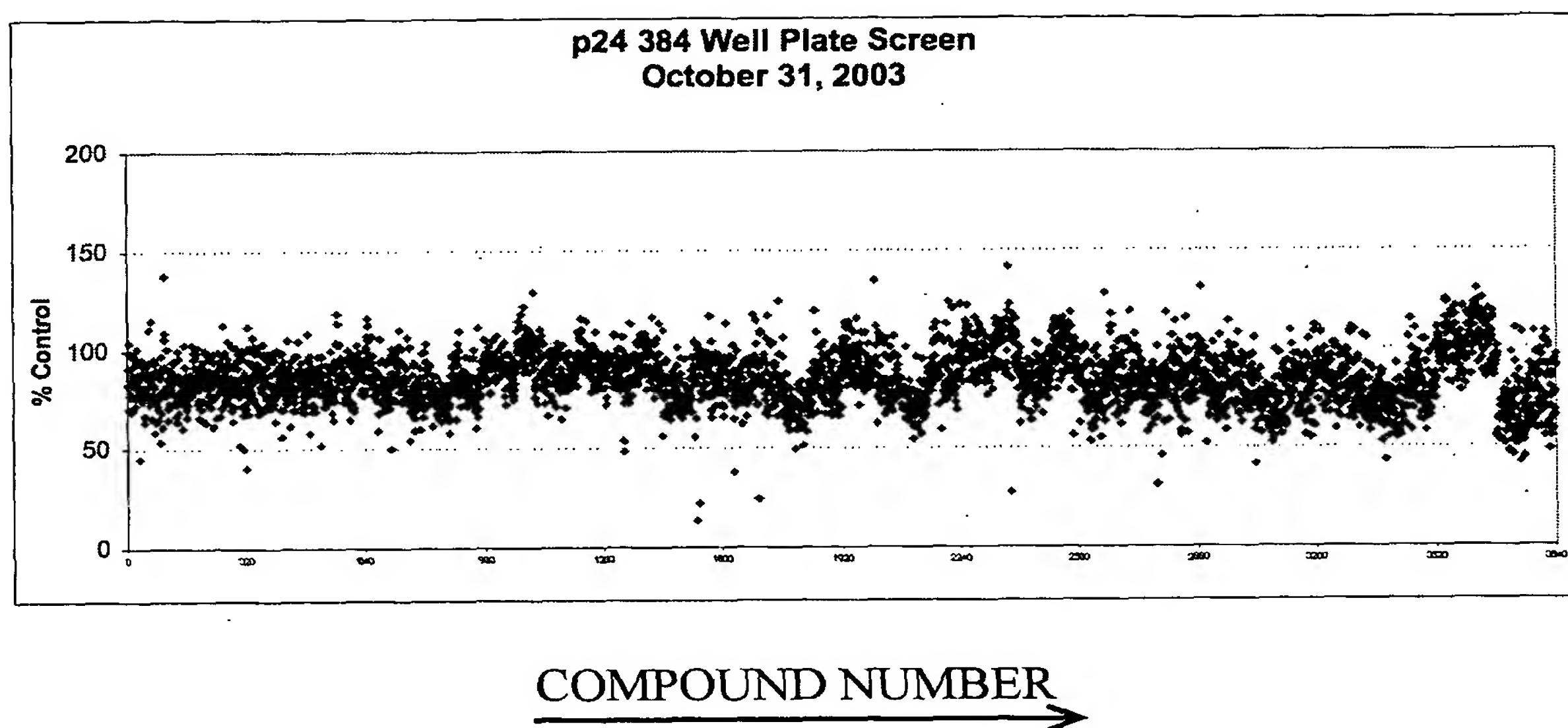
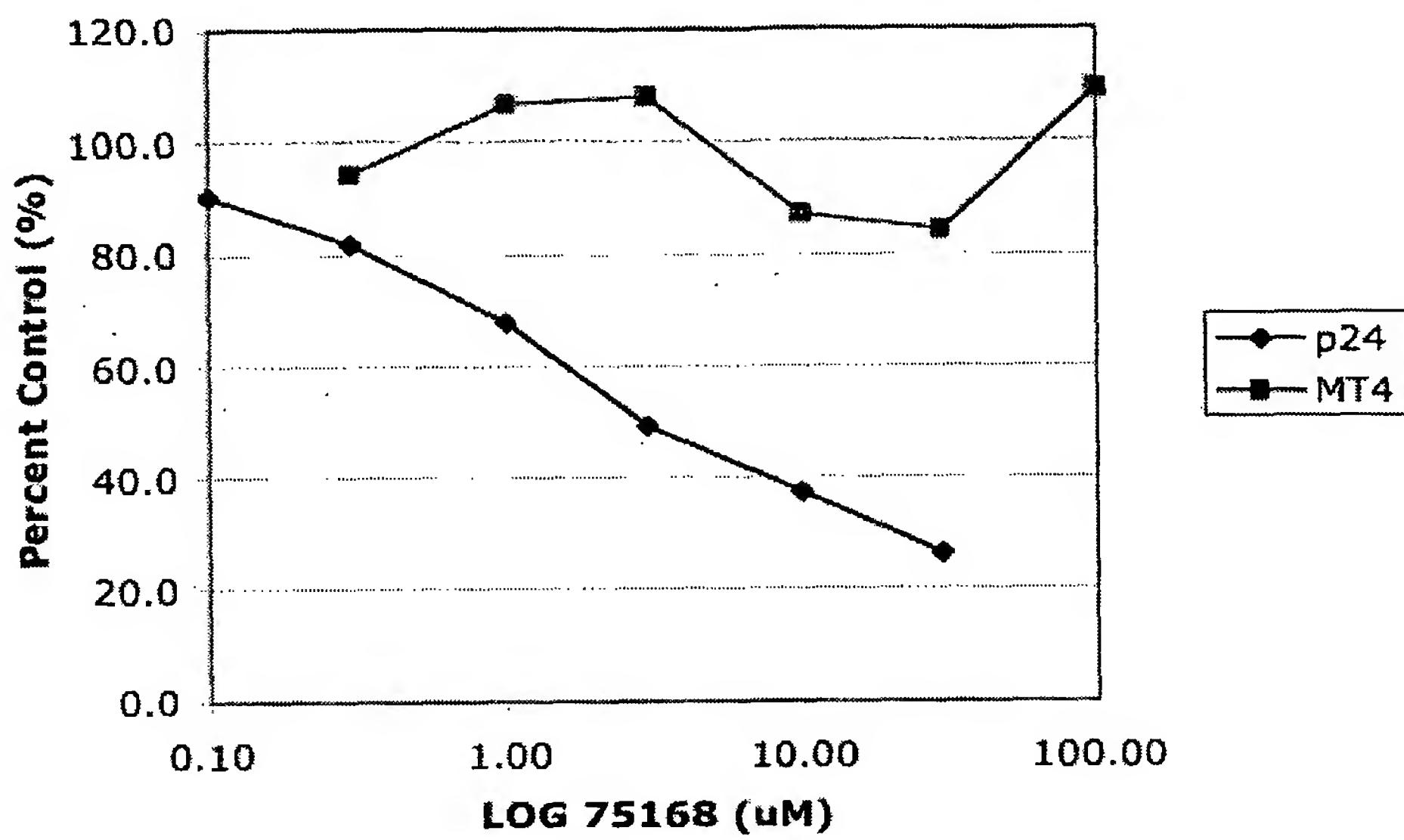


Figure 2 Screening of approximately 4000 compounds out of 40,000 total screened (9 other similar graphs not shown). Compounds that gave an inhibition of HIV particle formation below 50% were chosen for further study.

3A Dose Response (p24) and Toxicity (MT4) Assays^a
Compound 75168^a



3B Dose Response (p24) and Toxicity (MT4) Assays^a
Compound 89246^a

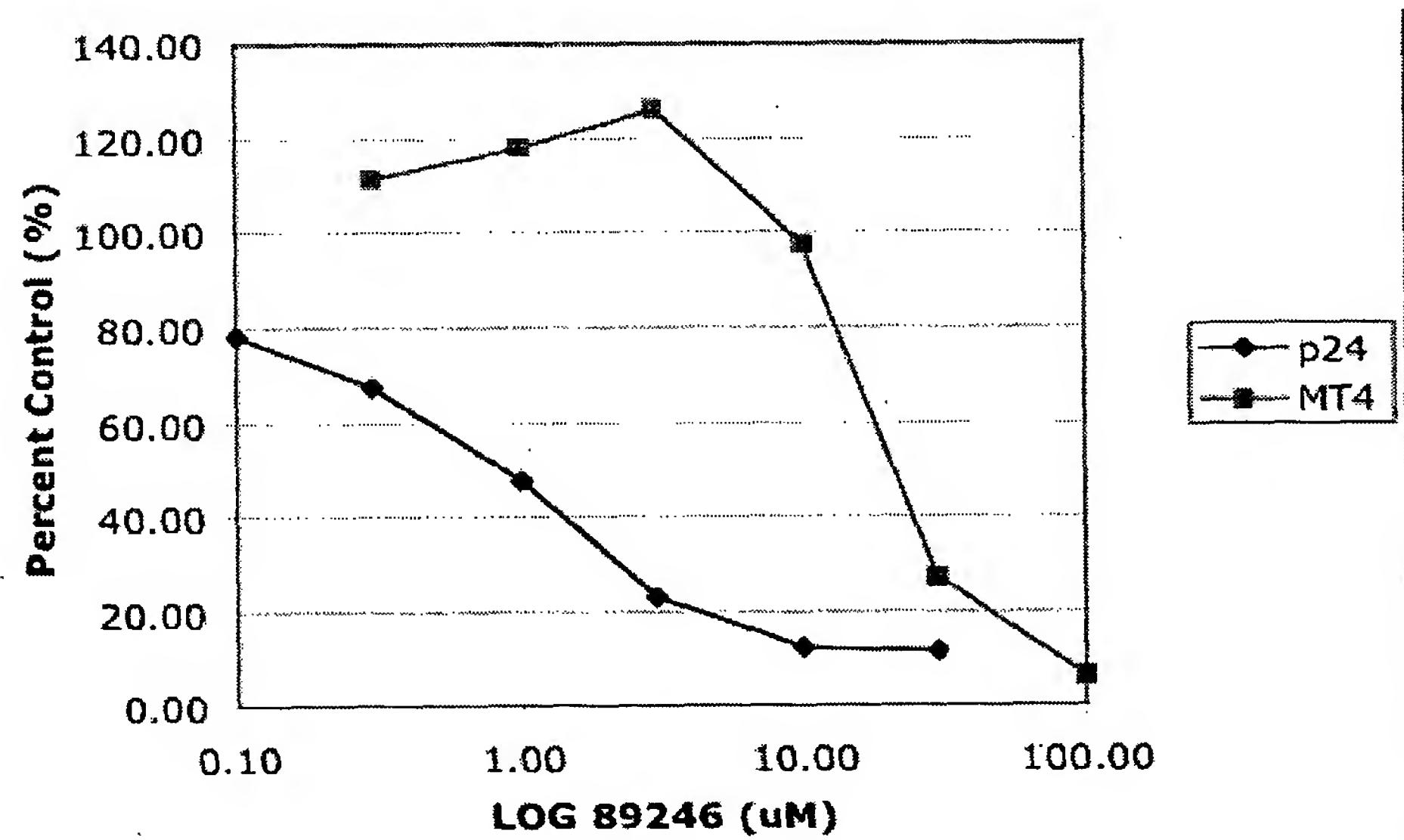
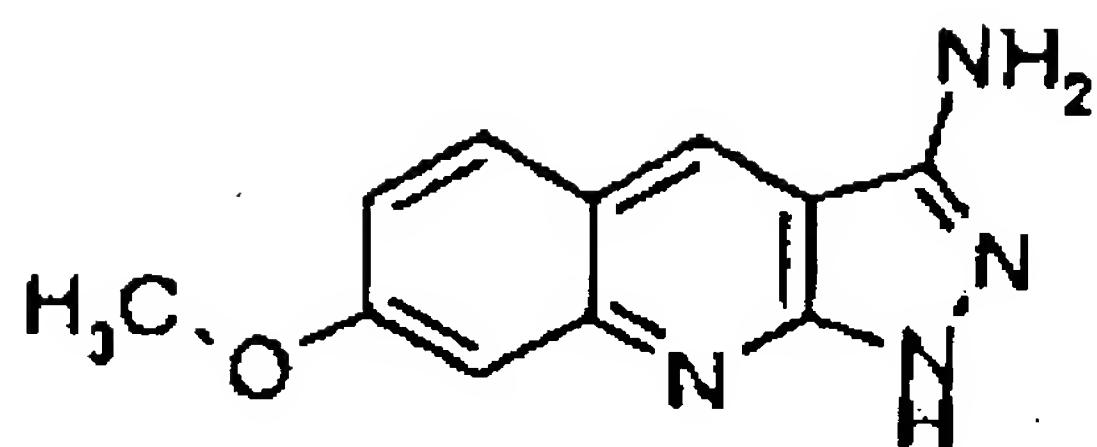
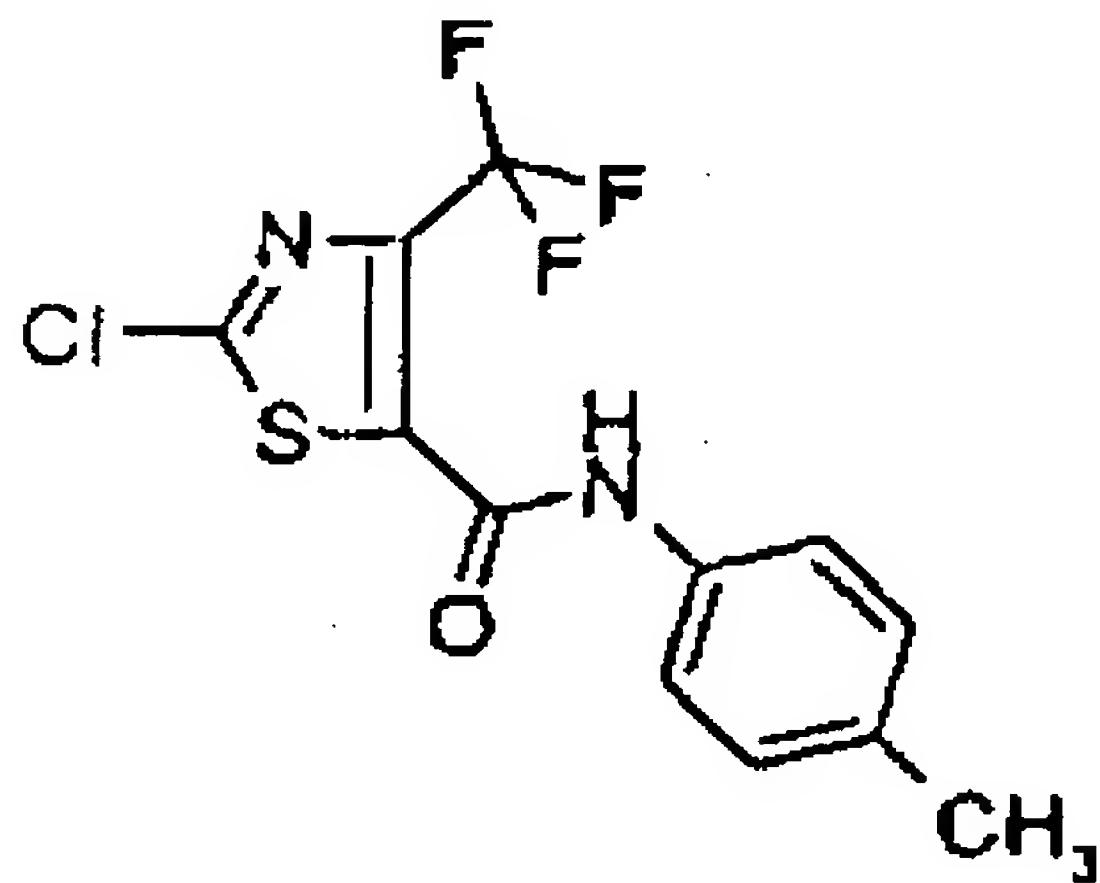
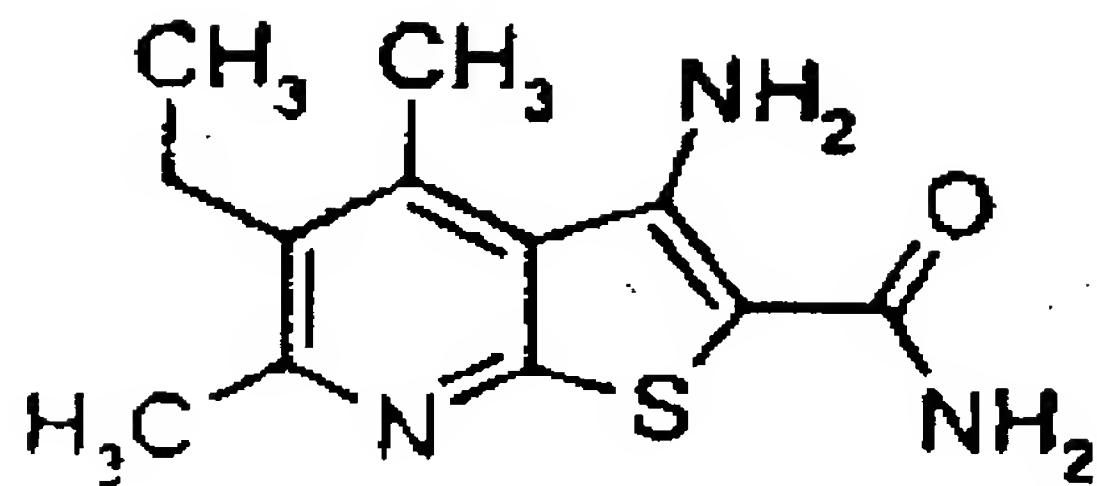
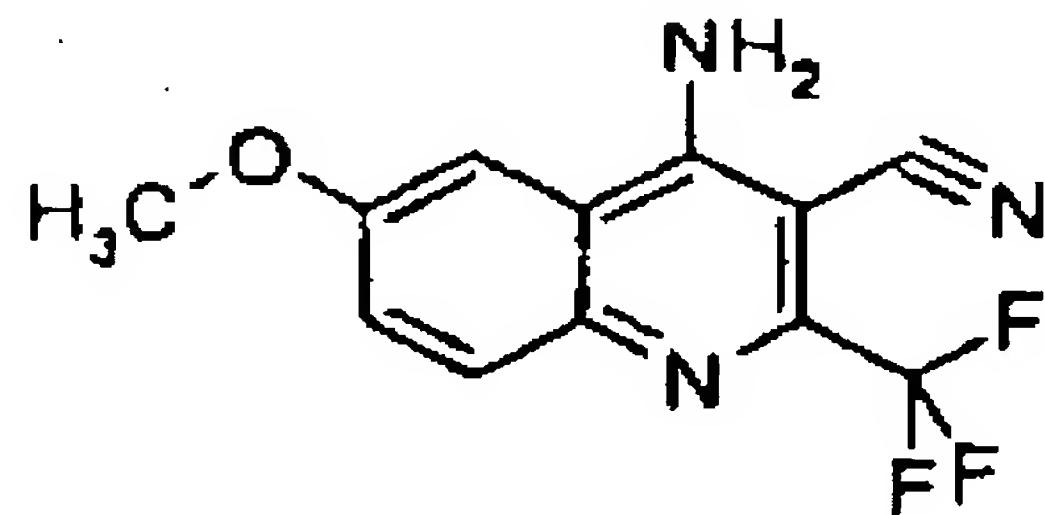
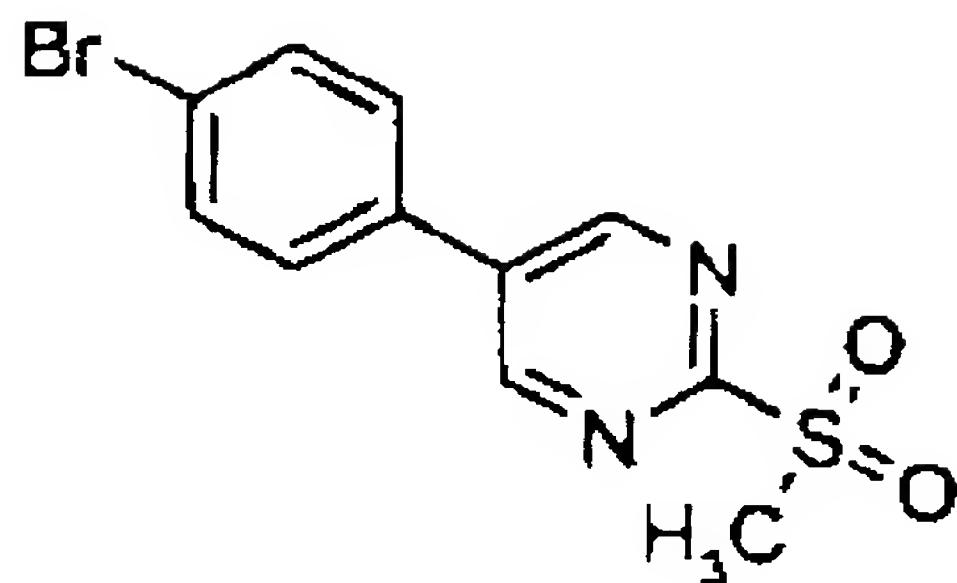
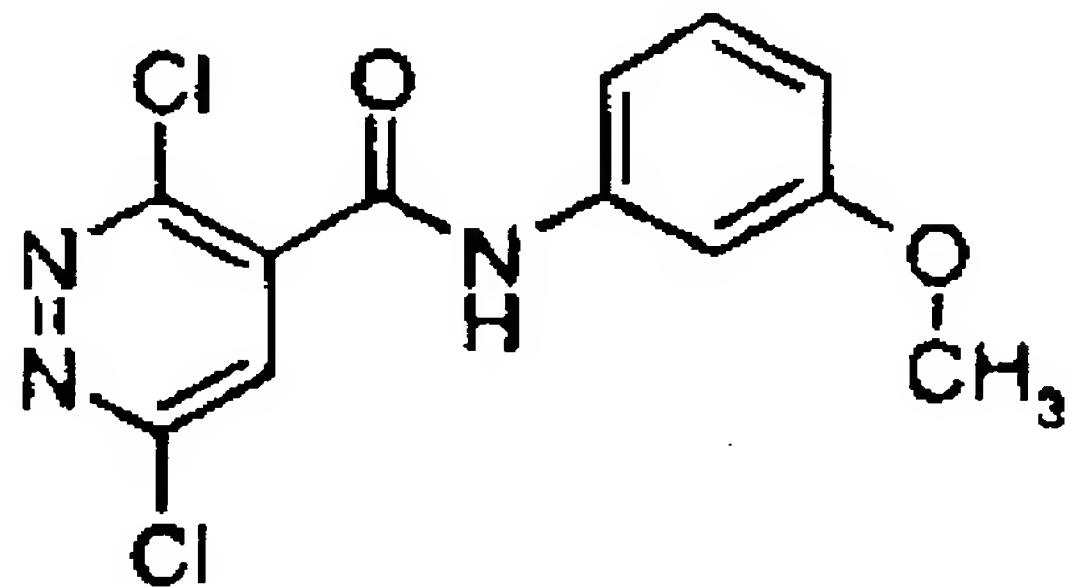


Figure 3: Six point dose response assay in 5BD.1 cells and toxicity assay in MT4 cells.

This is the type of data used to calculate the IC₅₀ and TC₅₀ of each compound.

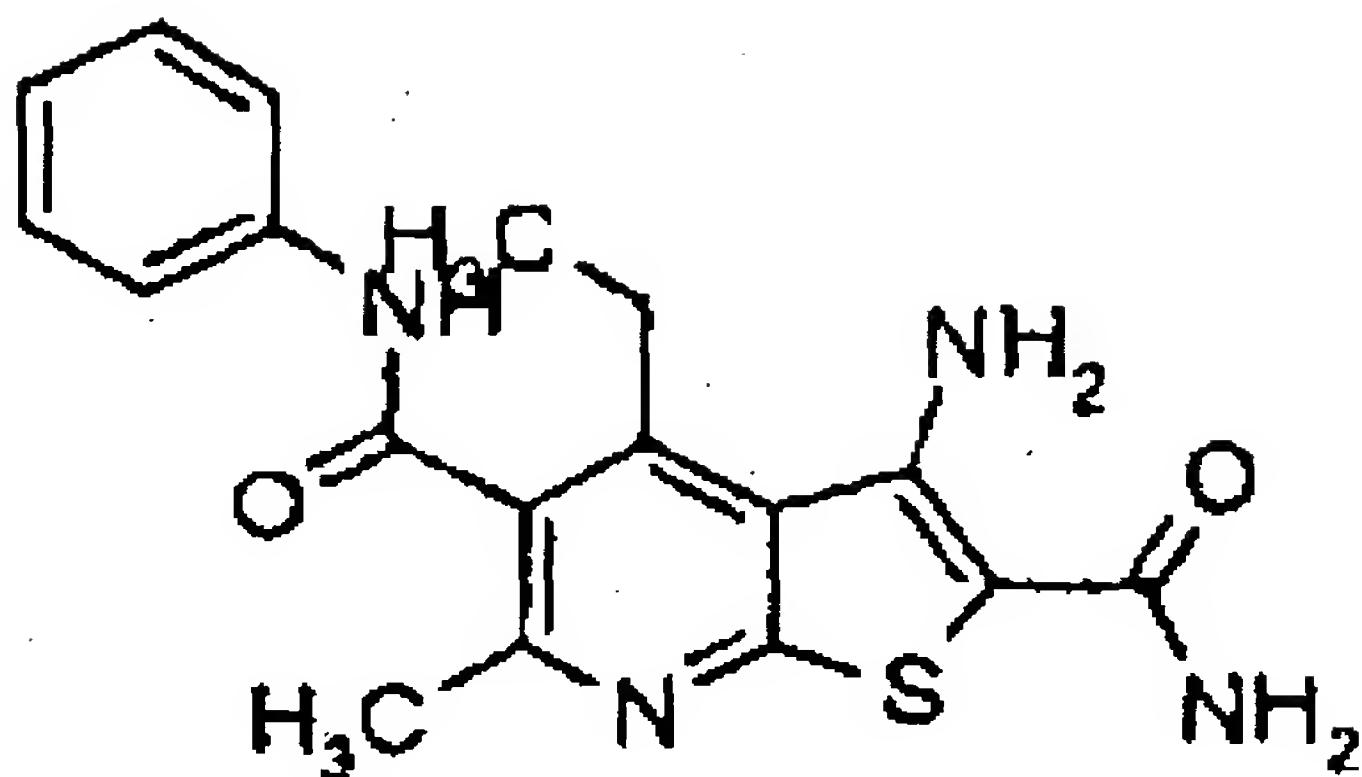
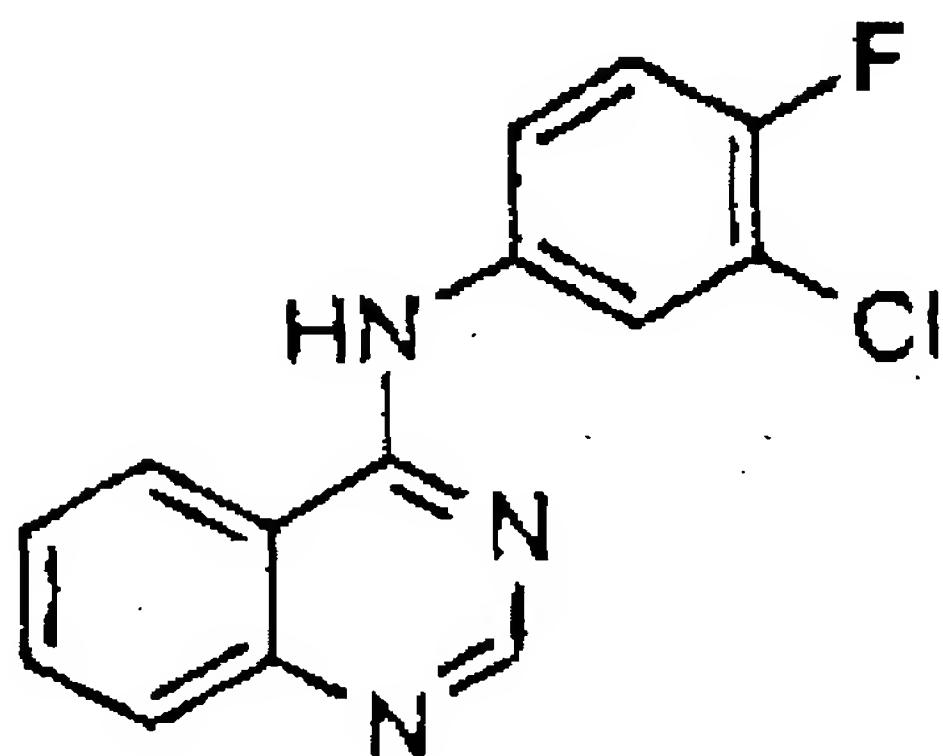
Figure 4**4A****Code Name: 89246****Specs Name: AG-690/40701421****Chemical Name: 7-methoxy-1H-pyrazolo[3,4-b]quinolin-3-ylamine,****4B****Code Name: 91161****Specs Name: AP-501/40888738****Chemical Name: 2-chloro-N-(4-methylphenyl)-4-(trifluoromethyl)-1,3-thiazole-5-carboxamide,**

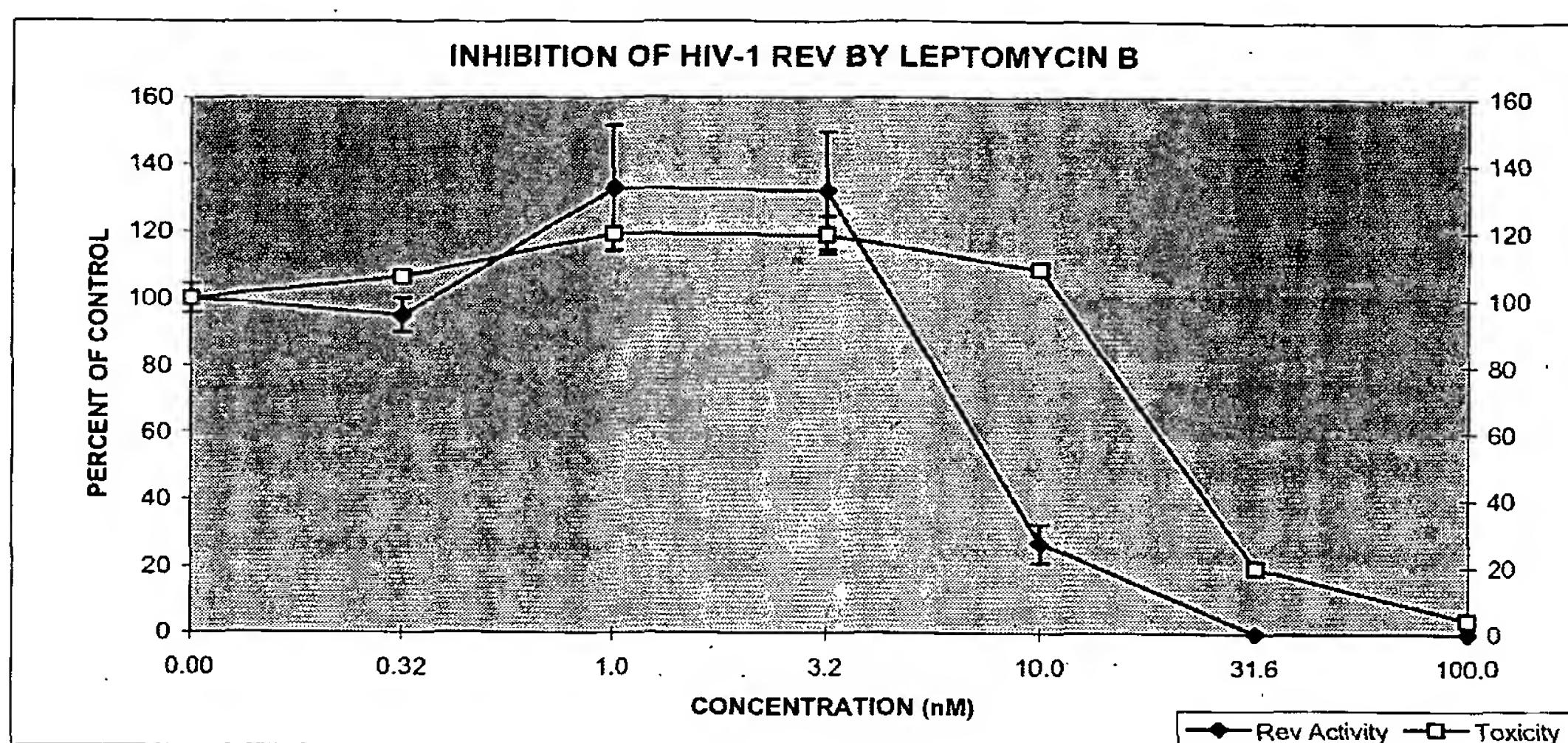
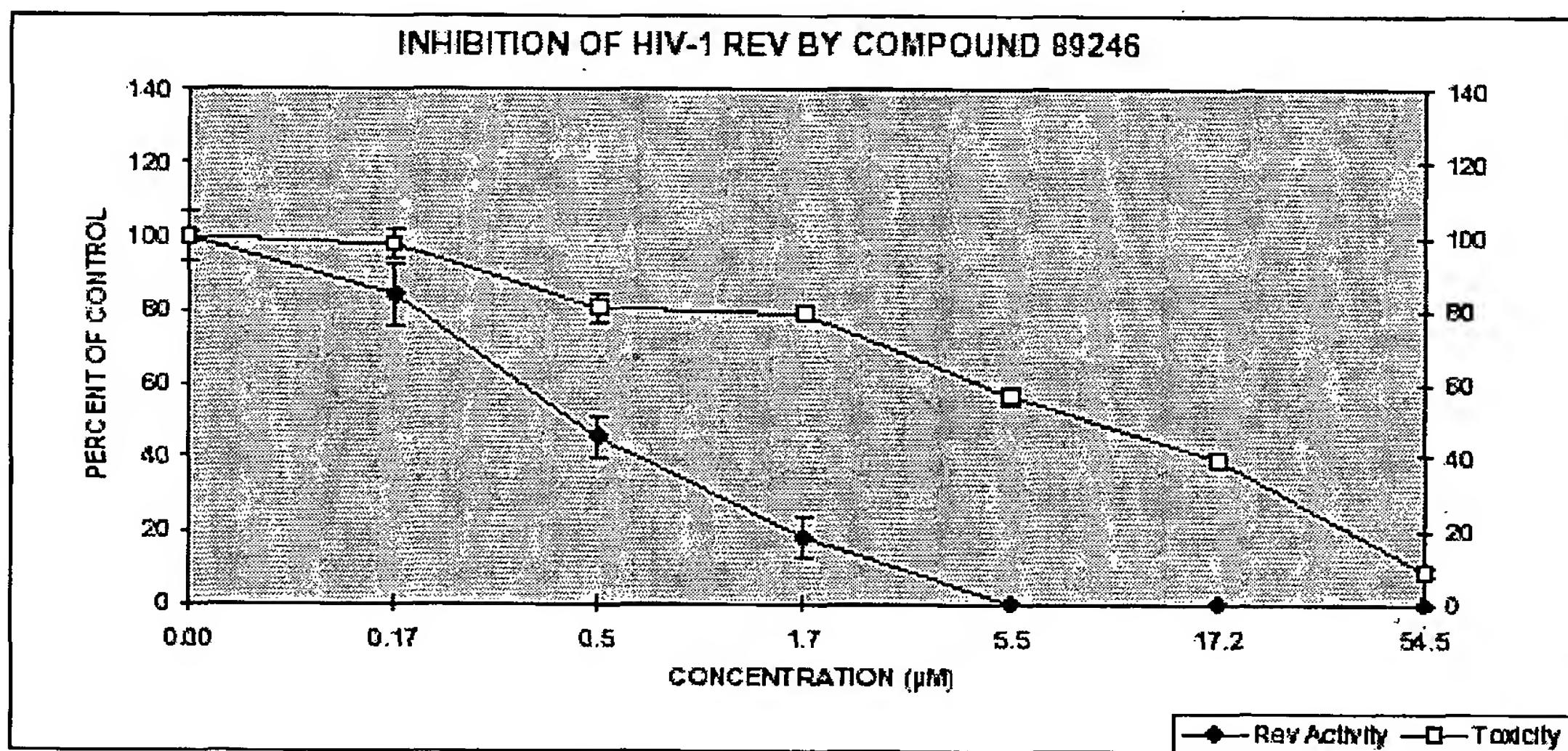
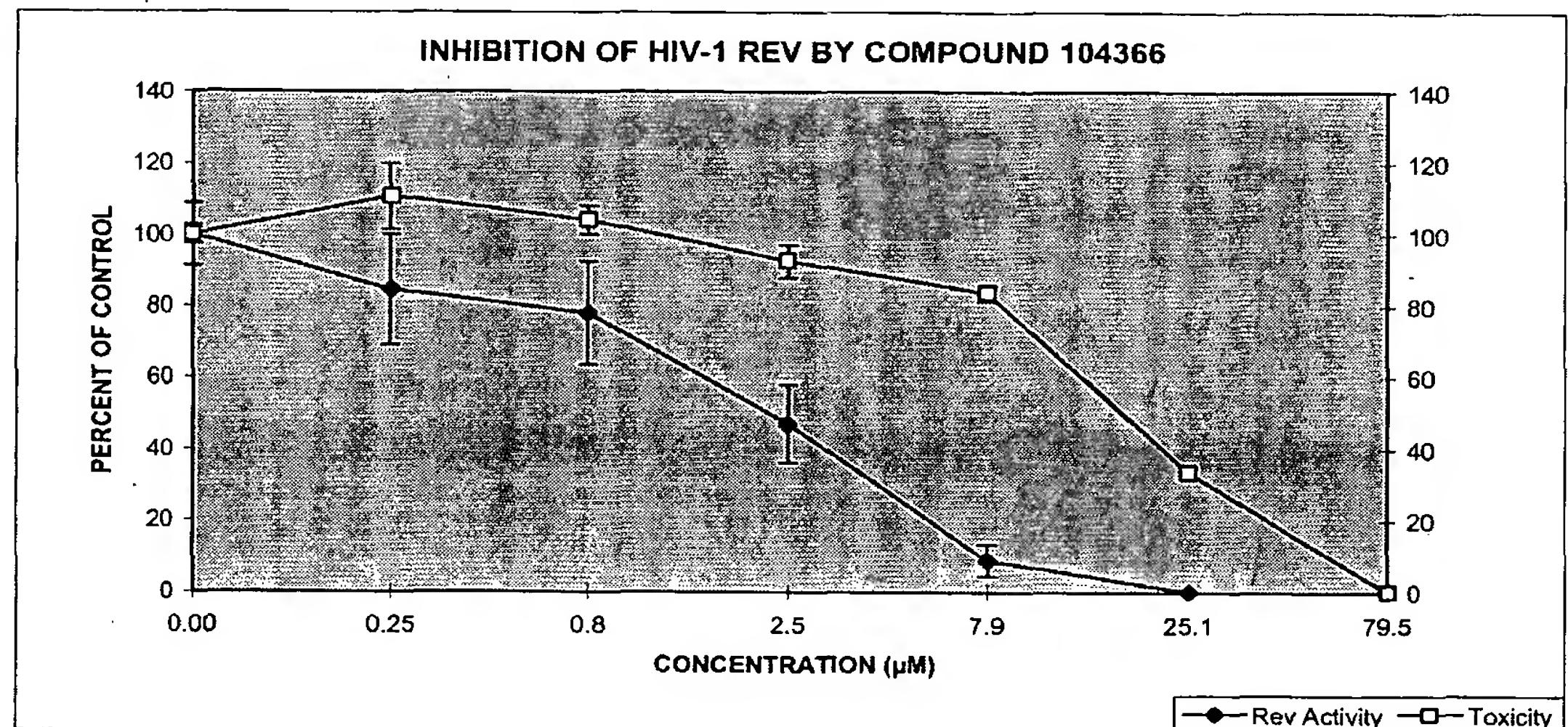
4C**Code Name: 103833****Specs Name: AE-848/34435011****Chemical Name: 3-amino-5-ethyl-4,6-dimethylthieno[2,3-b]pyridine-2-carboxamide,****4D****Code Name: 104366****Specs Name: AG-687/25019010****Chemical Name: 4-amino-6-methoxy-2-(trifluoromethyl)-3-quinolinecarbonitrile,**

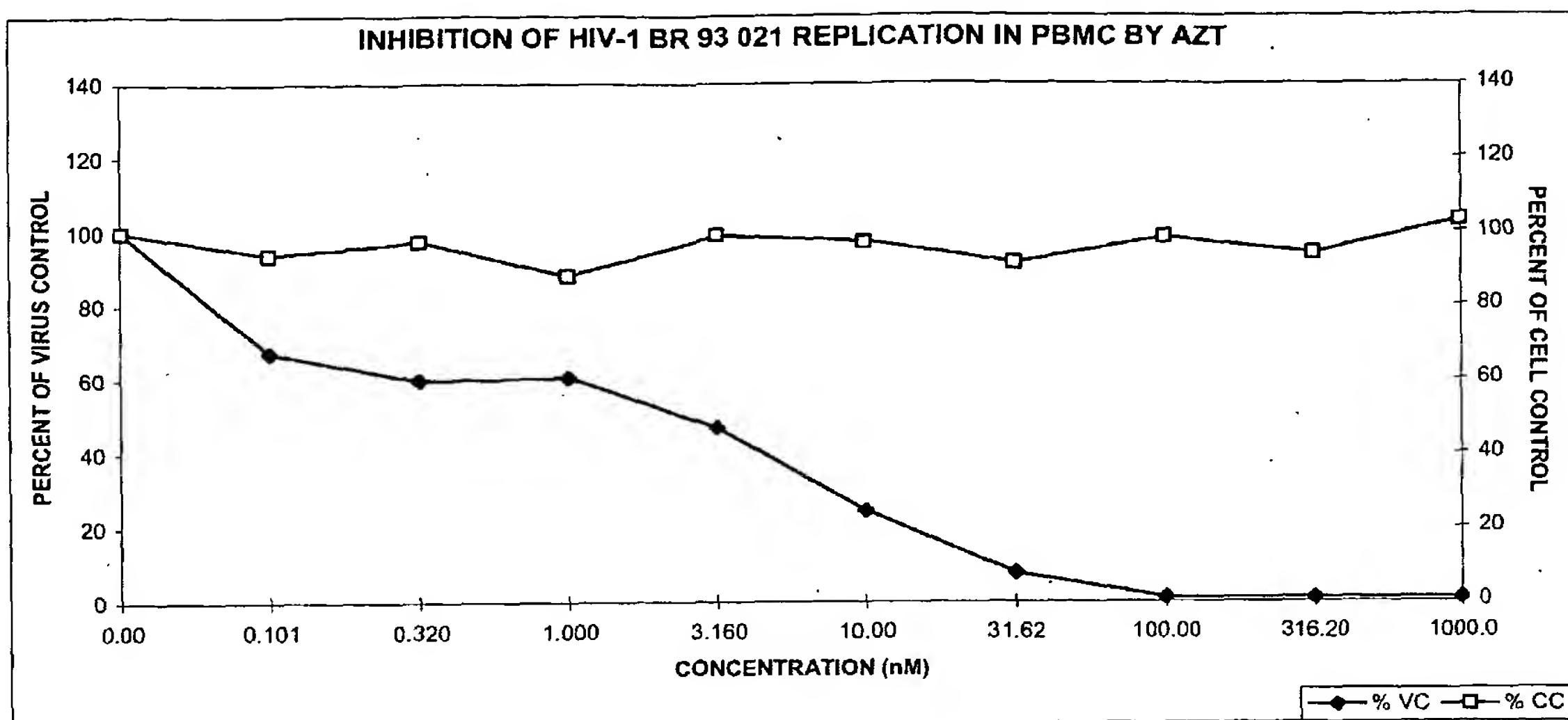
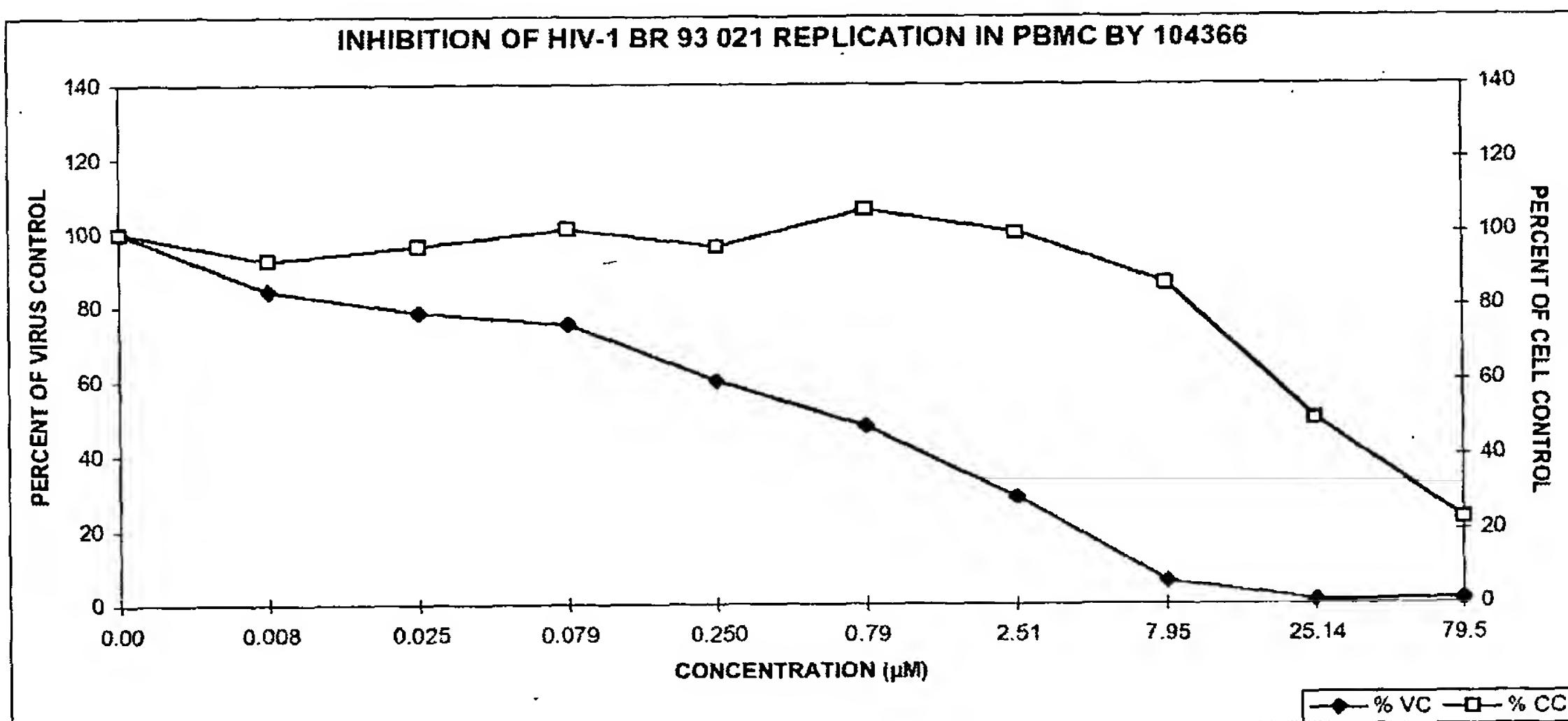
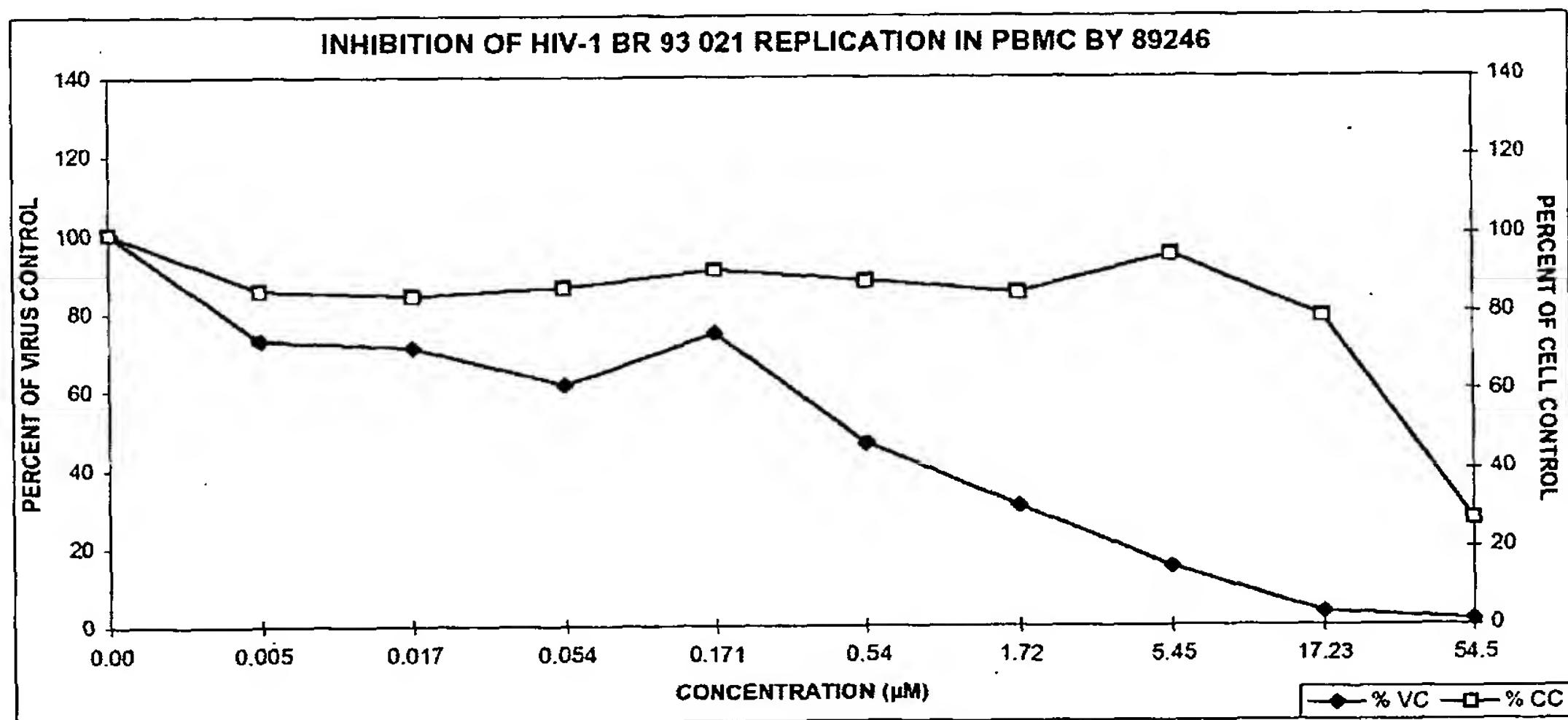
4E**Code Name:** **107129****Specs Name:** AC-907/25005415**Chemical Name:** -(4-bromophenyl)-2-(methylsulfonyl)pyrimidine**4F****Code Name:** **107740****Specs Name:** AF-399/40653810**Chemical Name:** 3,6-dichloro-N-(3-methoxyphenyl)-4-pyridazinecarboxamide,

4G

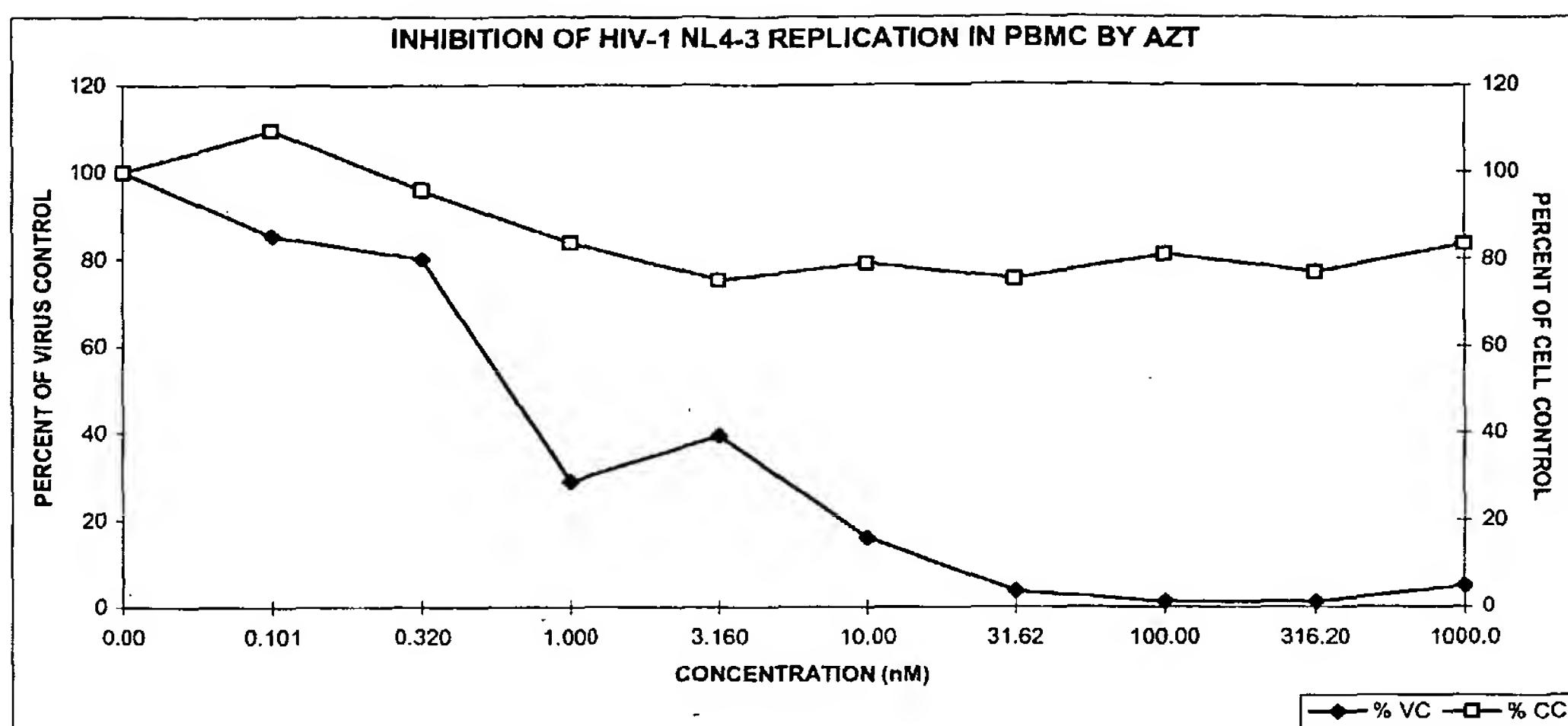
and

**Code Name: 75168****Specs Name: AE-848/34435026****Chemical Name: 3-amino-4-ethyl-6-methyl-N~5~-phenylthieno[2,3-b]pyridine-2,5-dicarboxamide,****4H****Code Name: 109020****Specs Name: AP-906/41641102****Chemical Name: N-(3-chloro-4-fluorophenyl)-N-(4-quinazolinyl)amine**

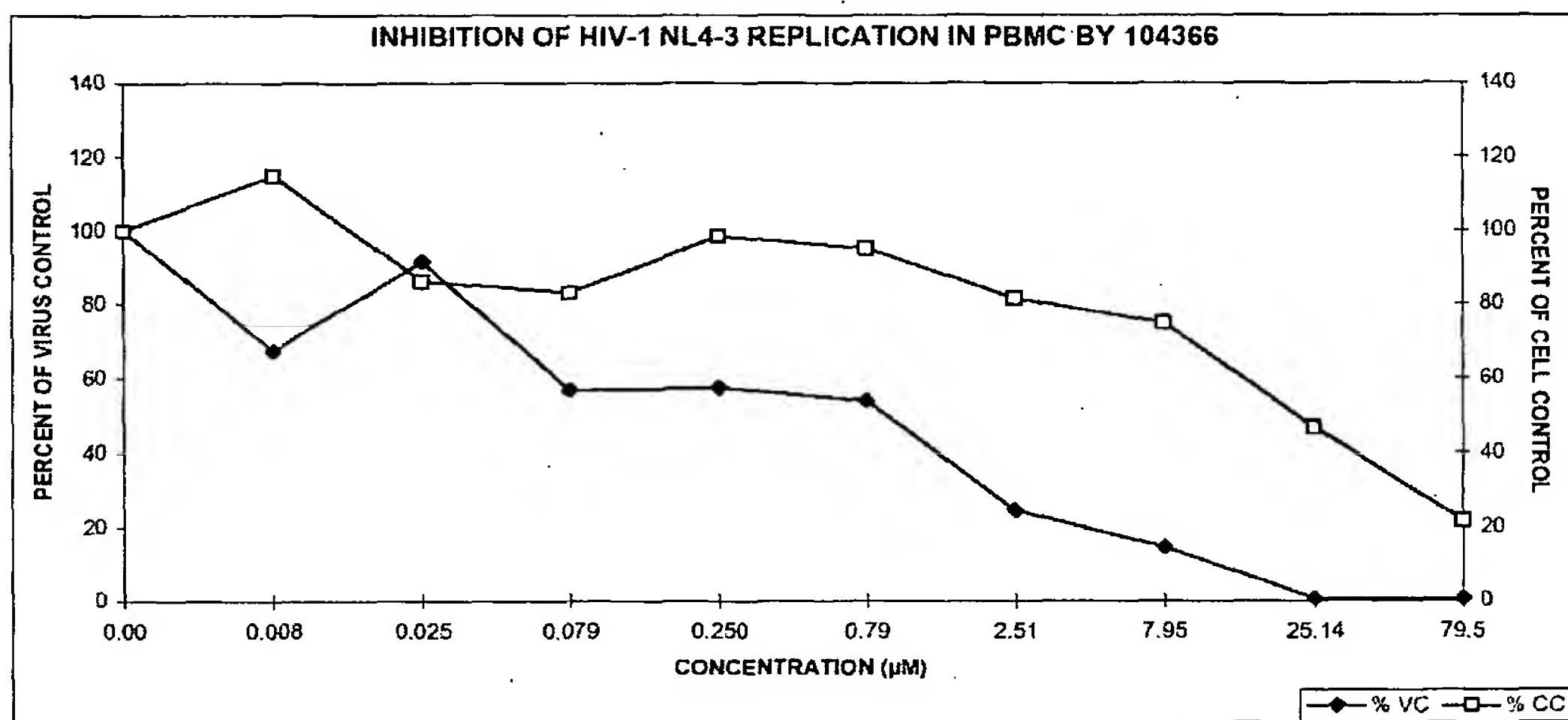
5A**5B****5C****Figure 5**

6A**6B****6C****Figure 6**

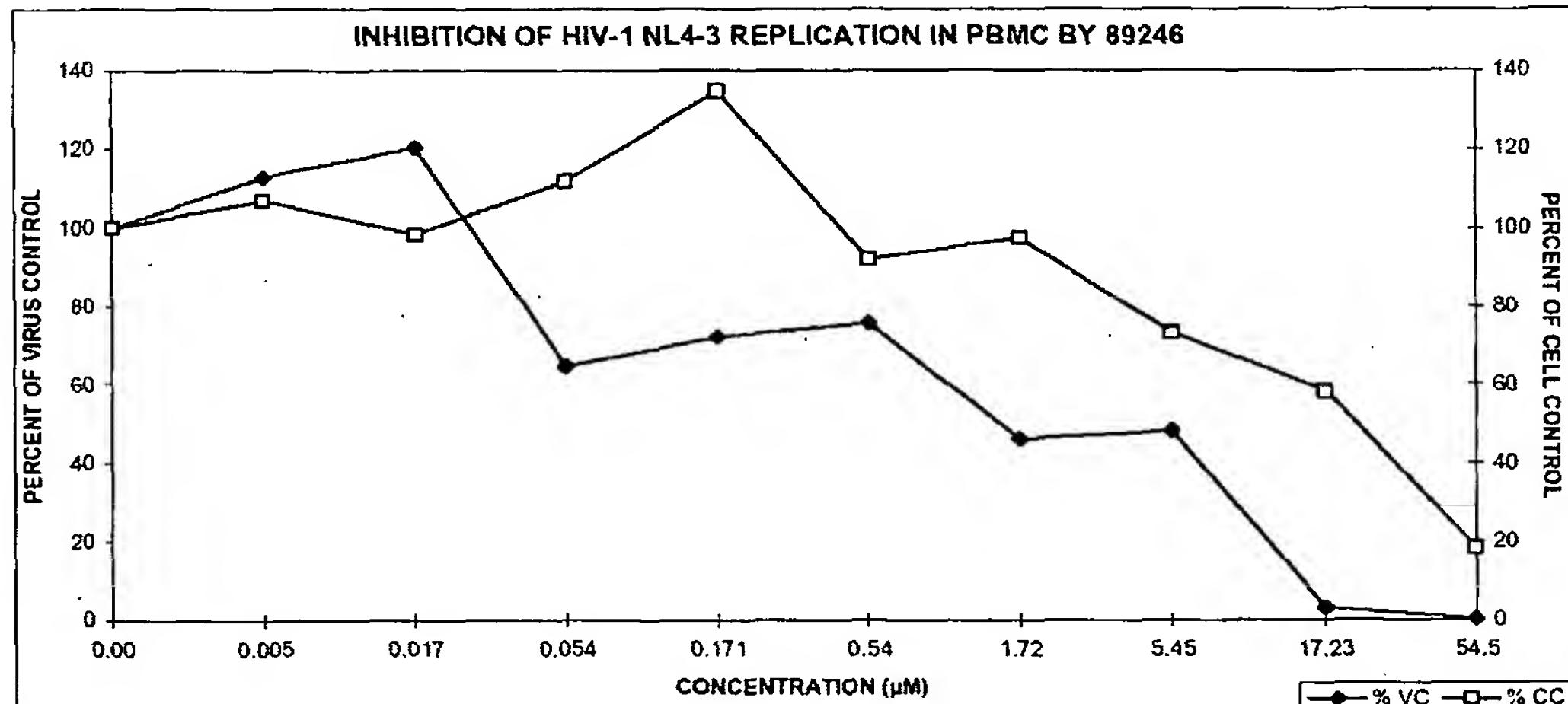
7A



7B



7C

**Figure 7**

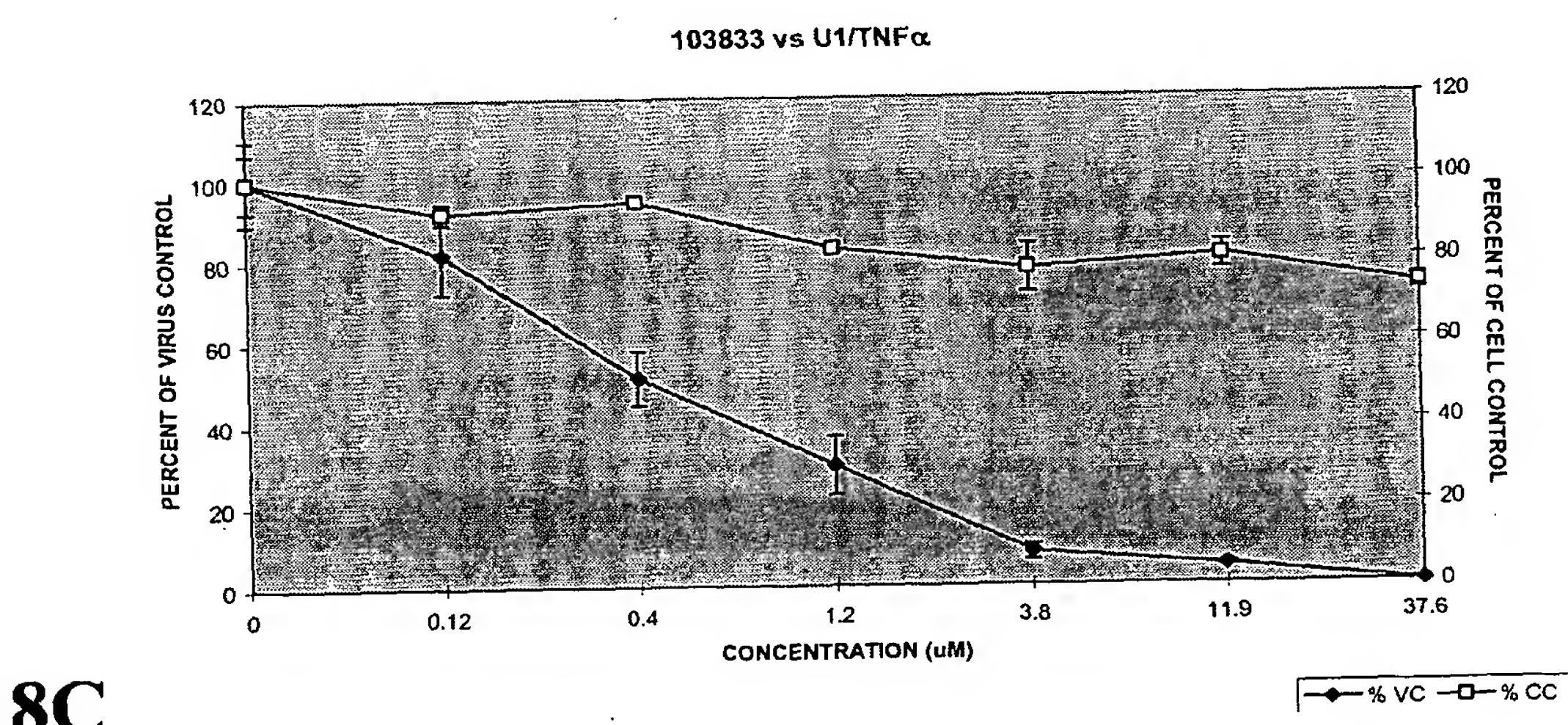
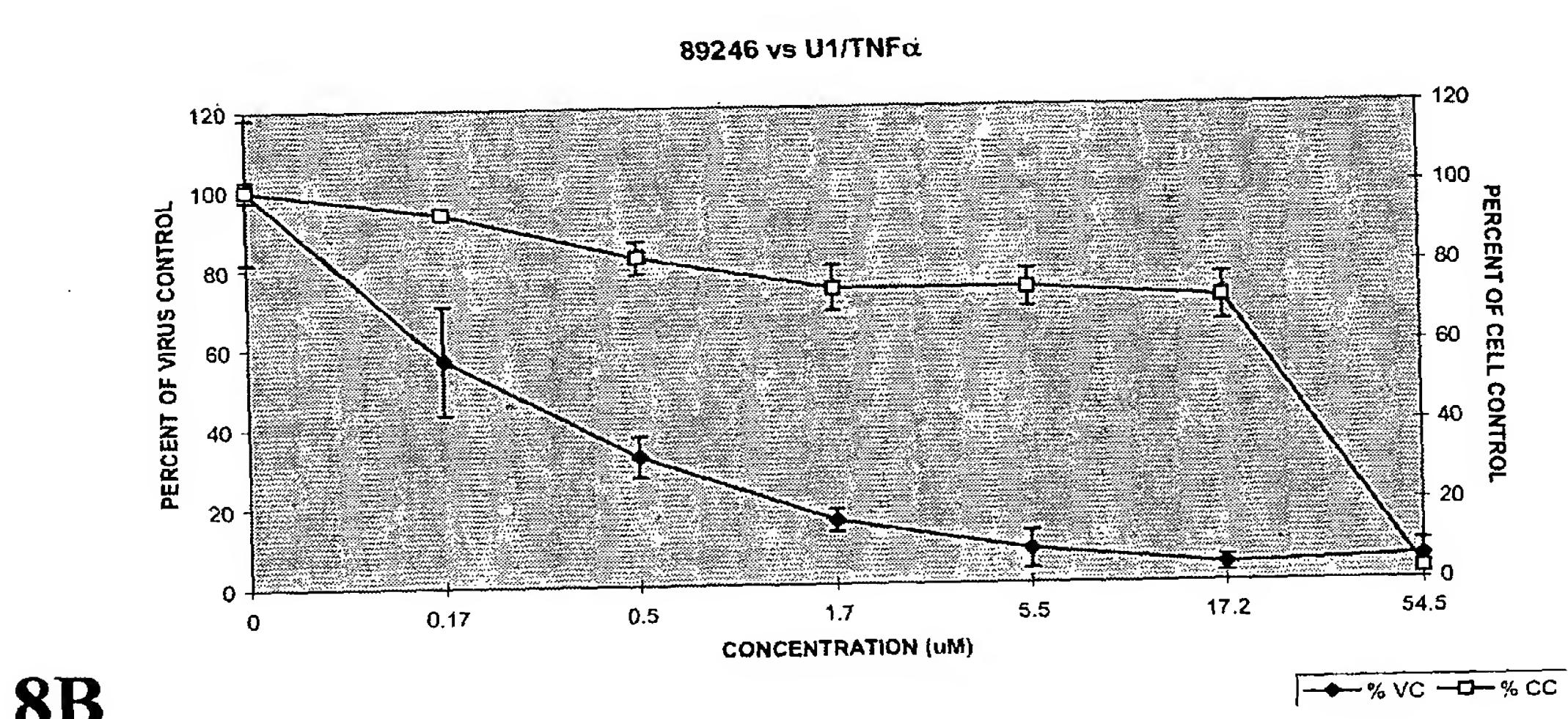
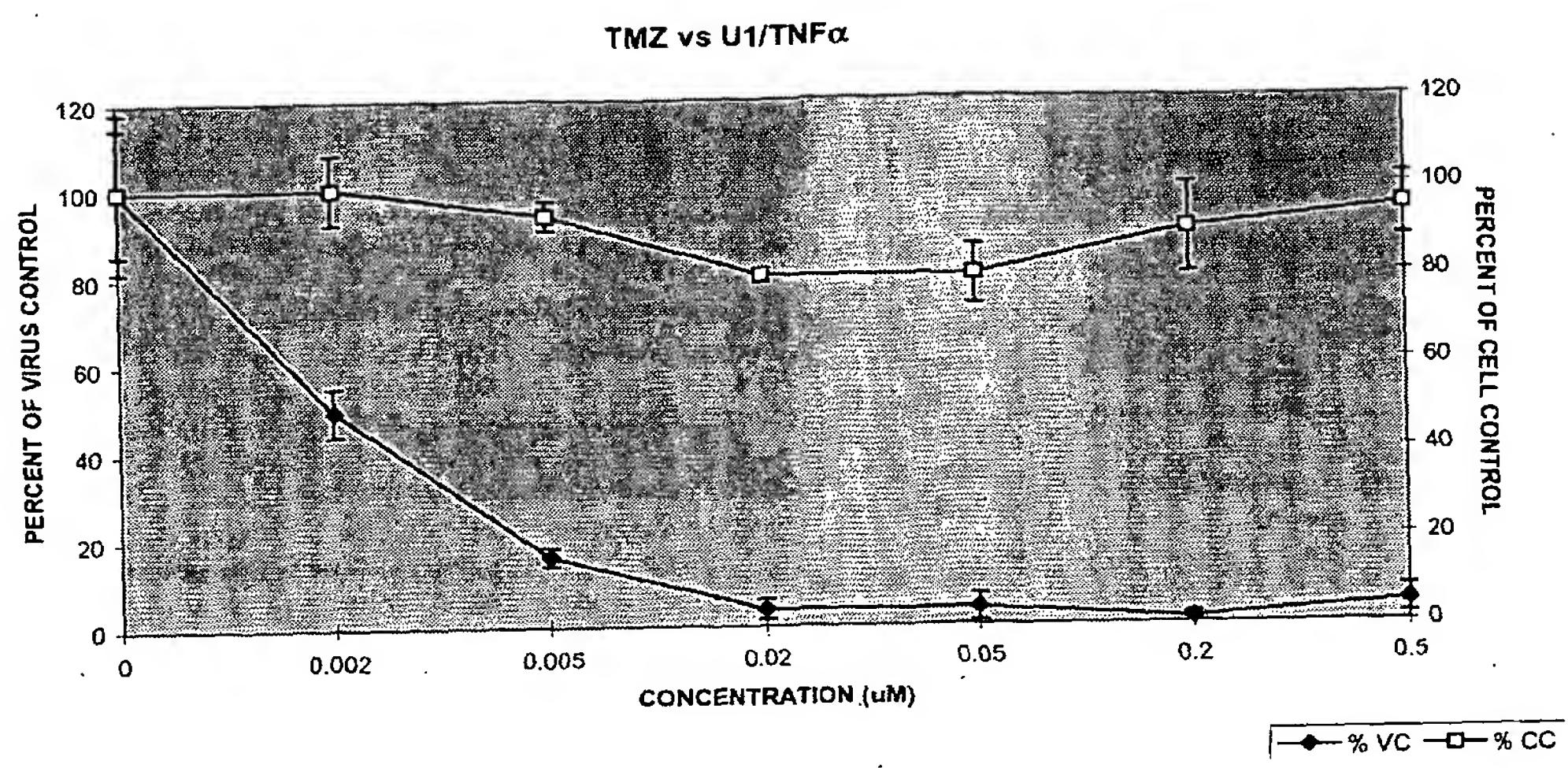


Figure 8

**Figure 9
Analogs of 89246**

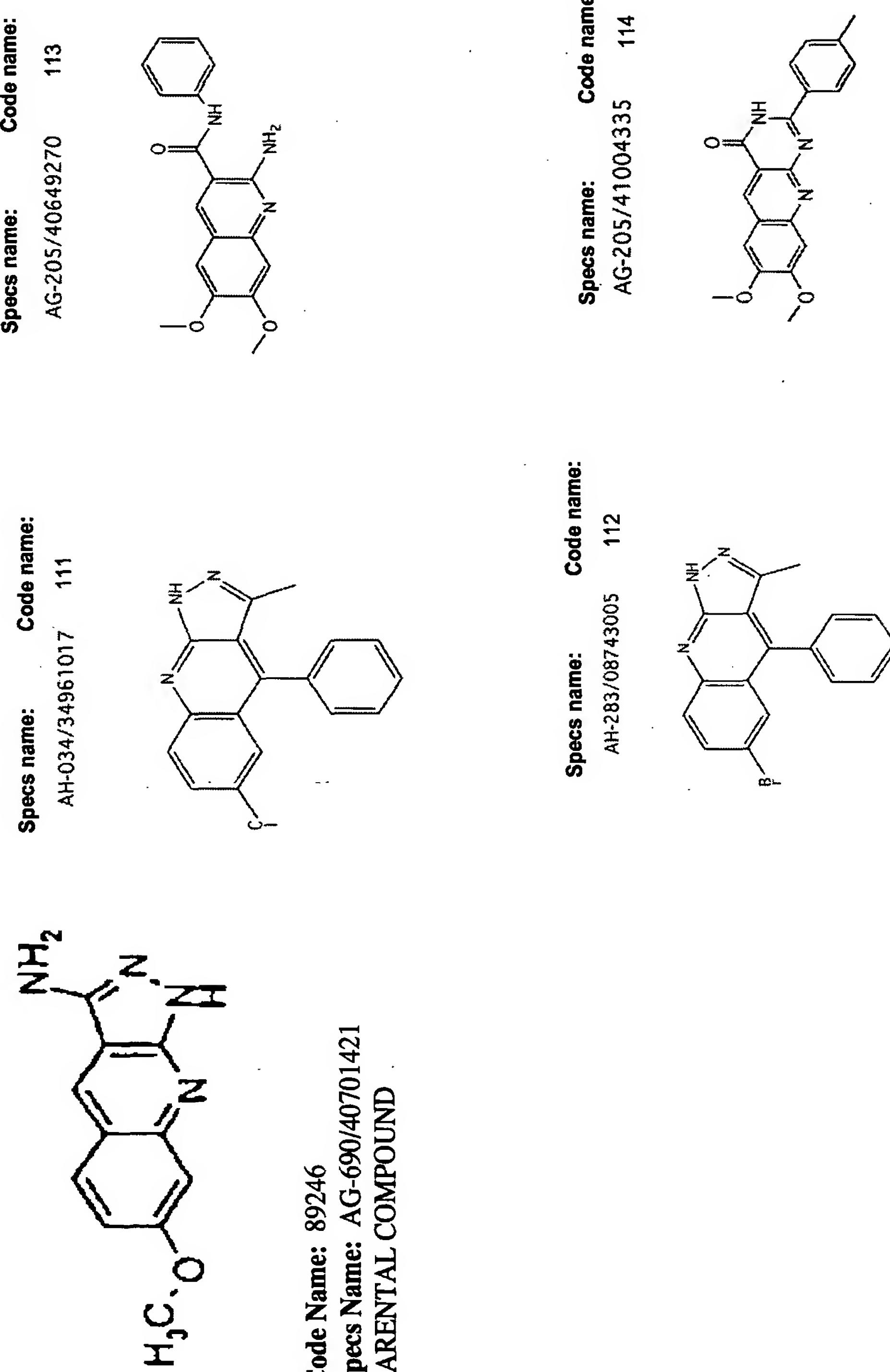
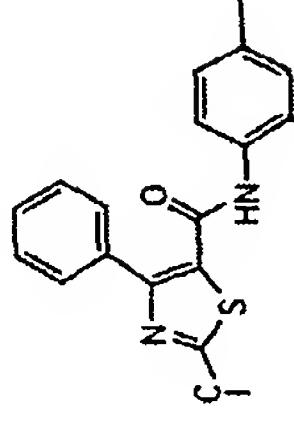
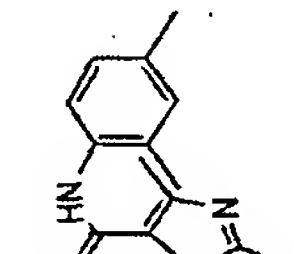
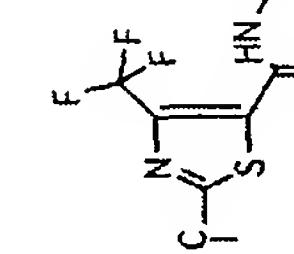
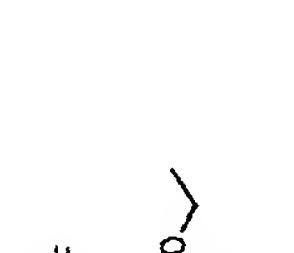
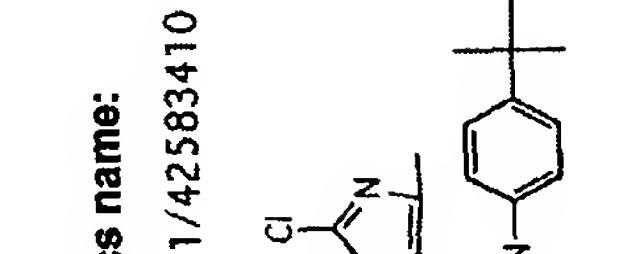
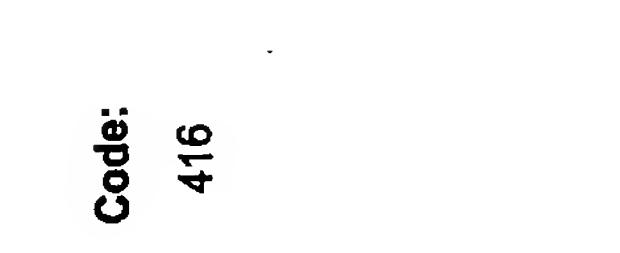
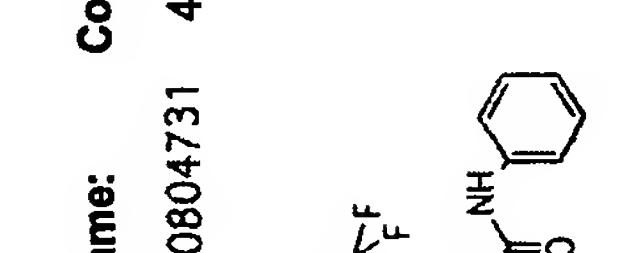
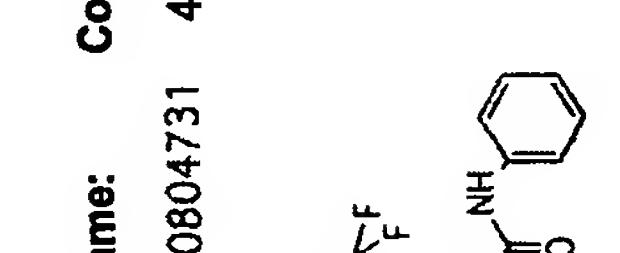
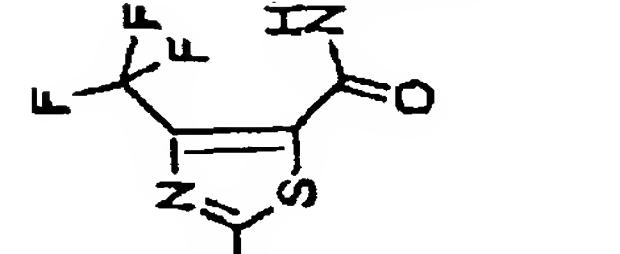


Figure 10
Analogs of 91161

Specs name:	Code:								
AP-501/40804729	411	AP-501/40804729	415	AP-501/40804757	419	AP-501/42581233	419	AP-501/42861938	423
									
	412		416		420		421		422
	413		417		422				
Code Name: 91161		Specs Name: AP-501/40888738		Specs name:		Specs name:		Specs name:	
PARENTAL COMPOUND		AP-501/40804735		AP-501/40888737		AP-501/42583418		AP-501/42861933	

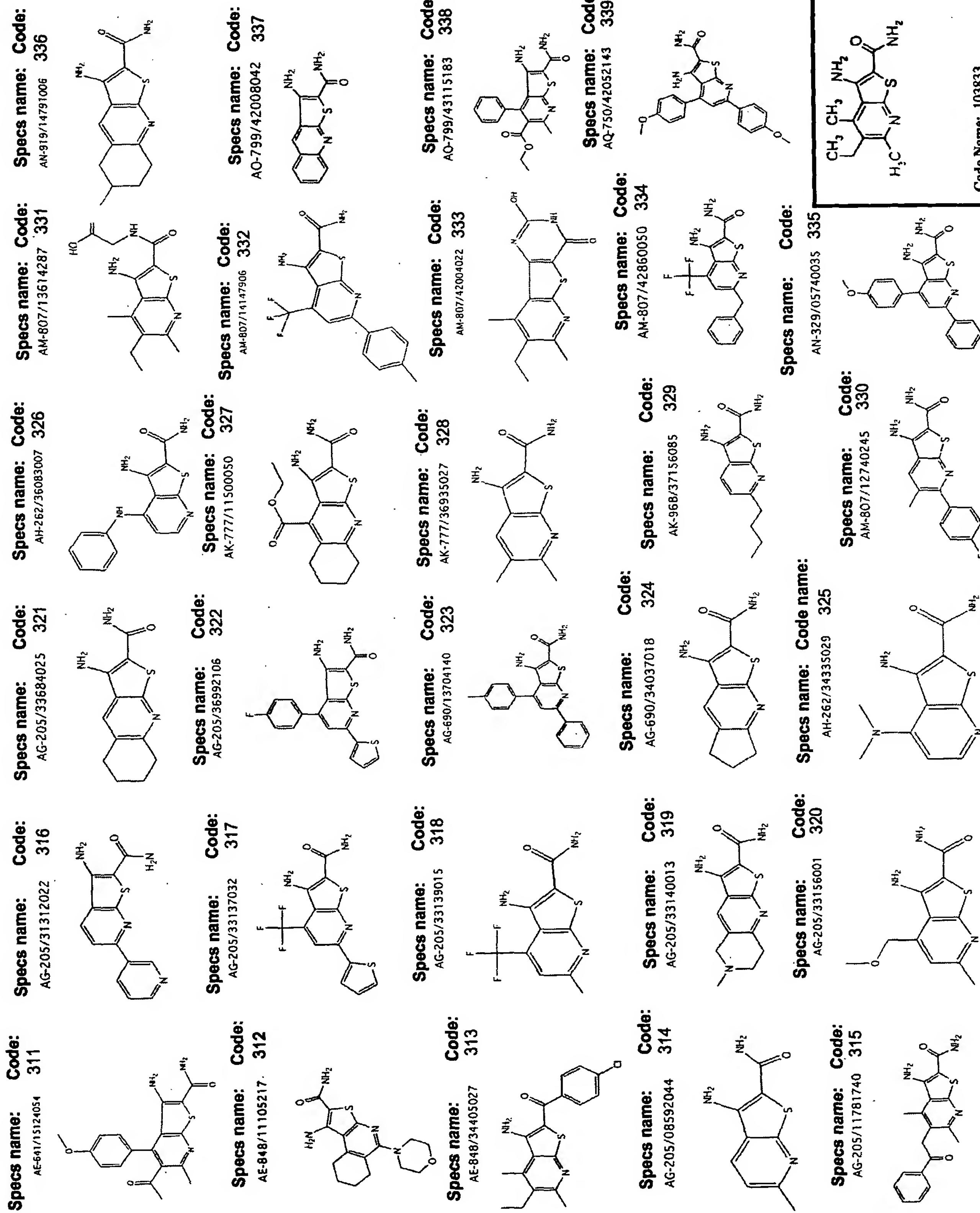


Figure 11
Analogues of 103833

Code Name: 103833
Species Name: AE-848/34435011
PARENTAL COMPOUND

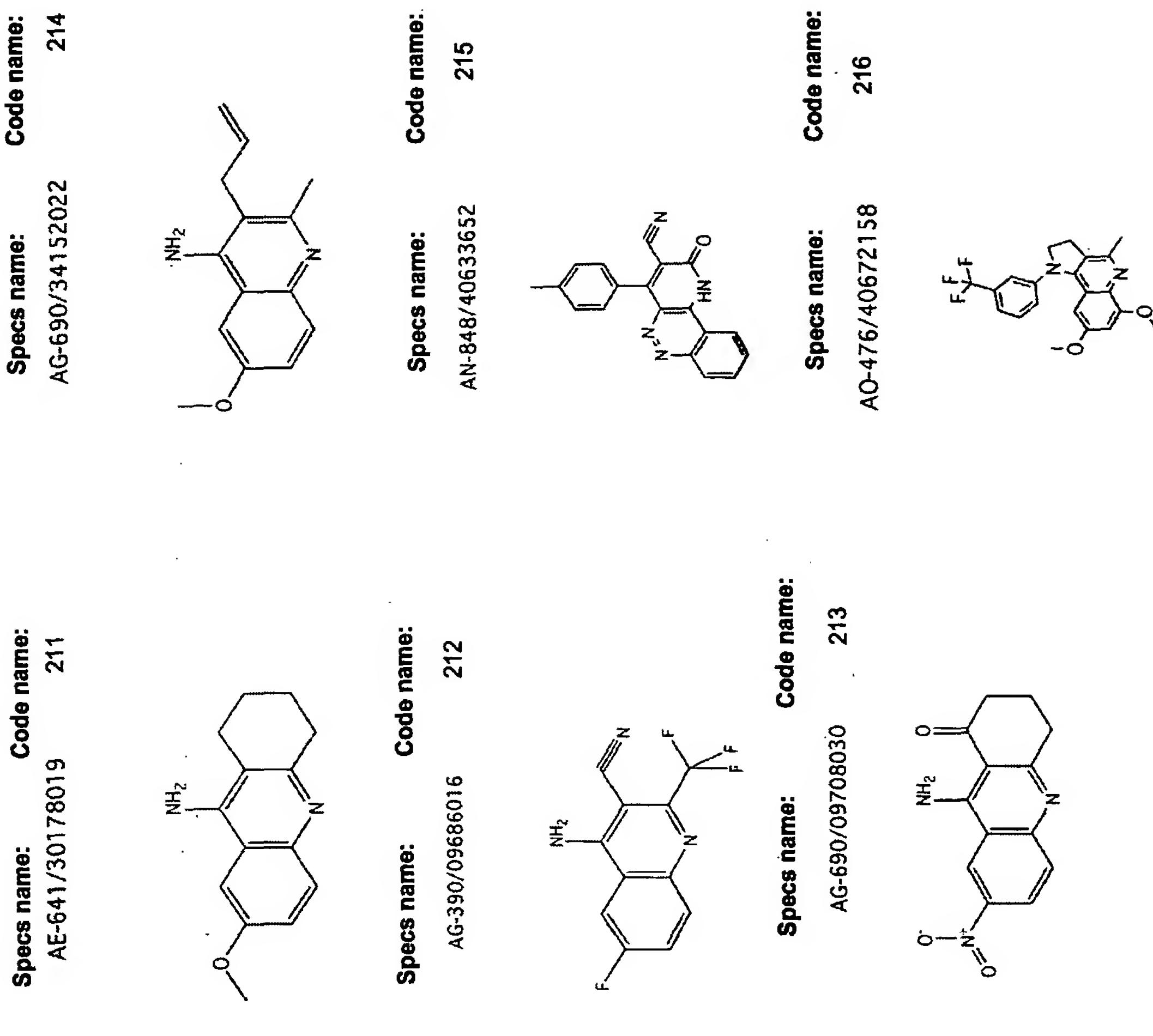


Figure 12
Analogs of 104366

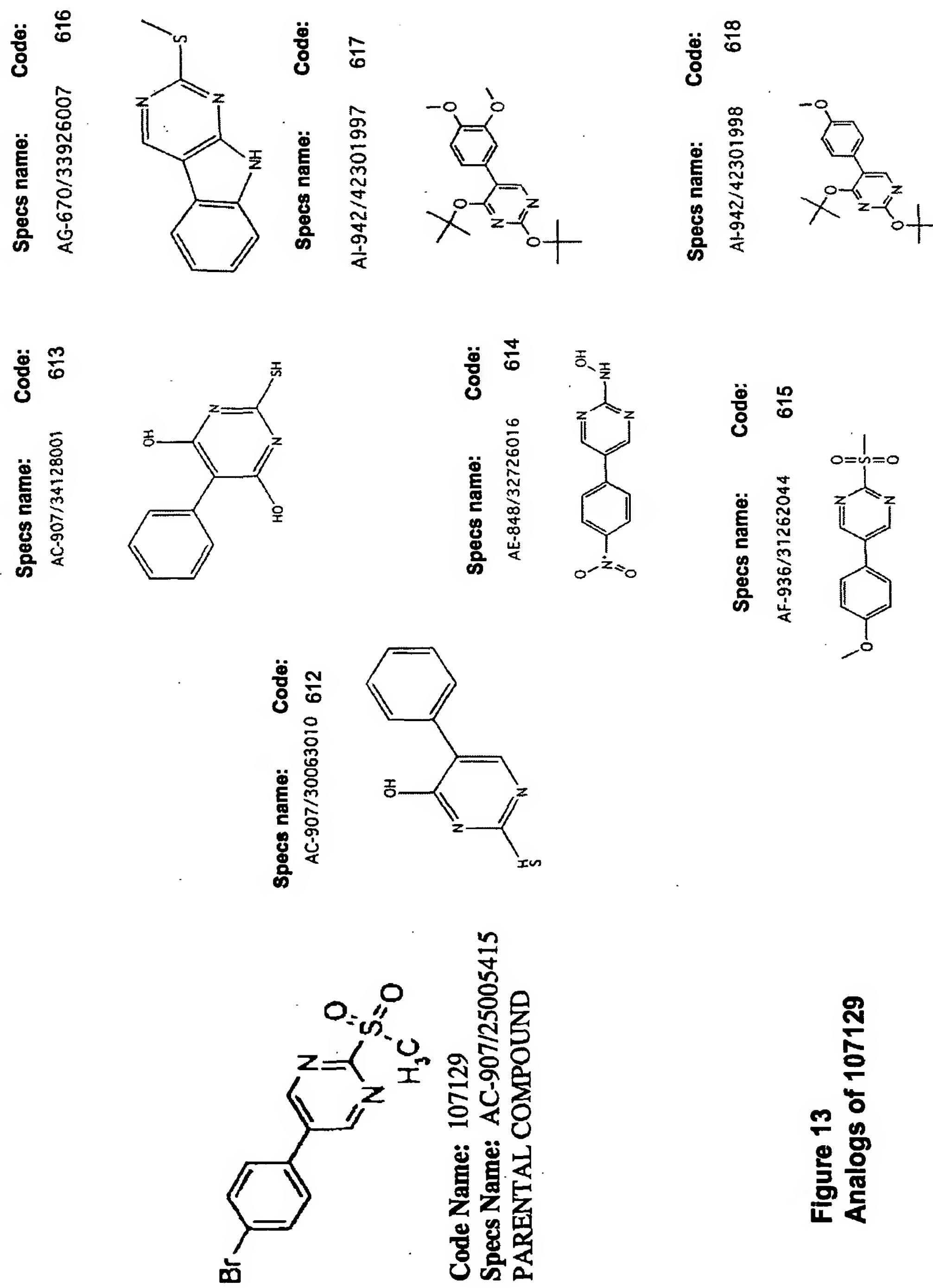
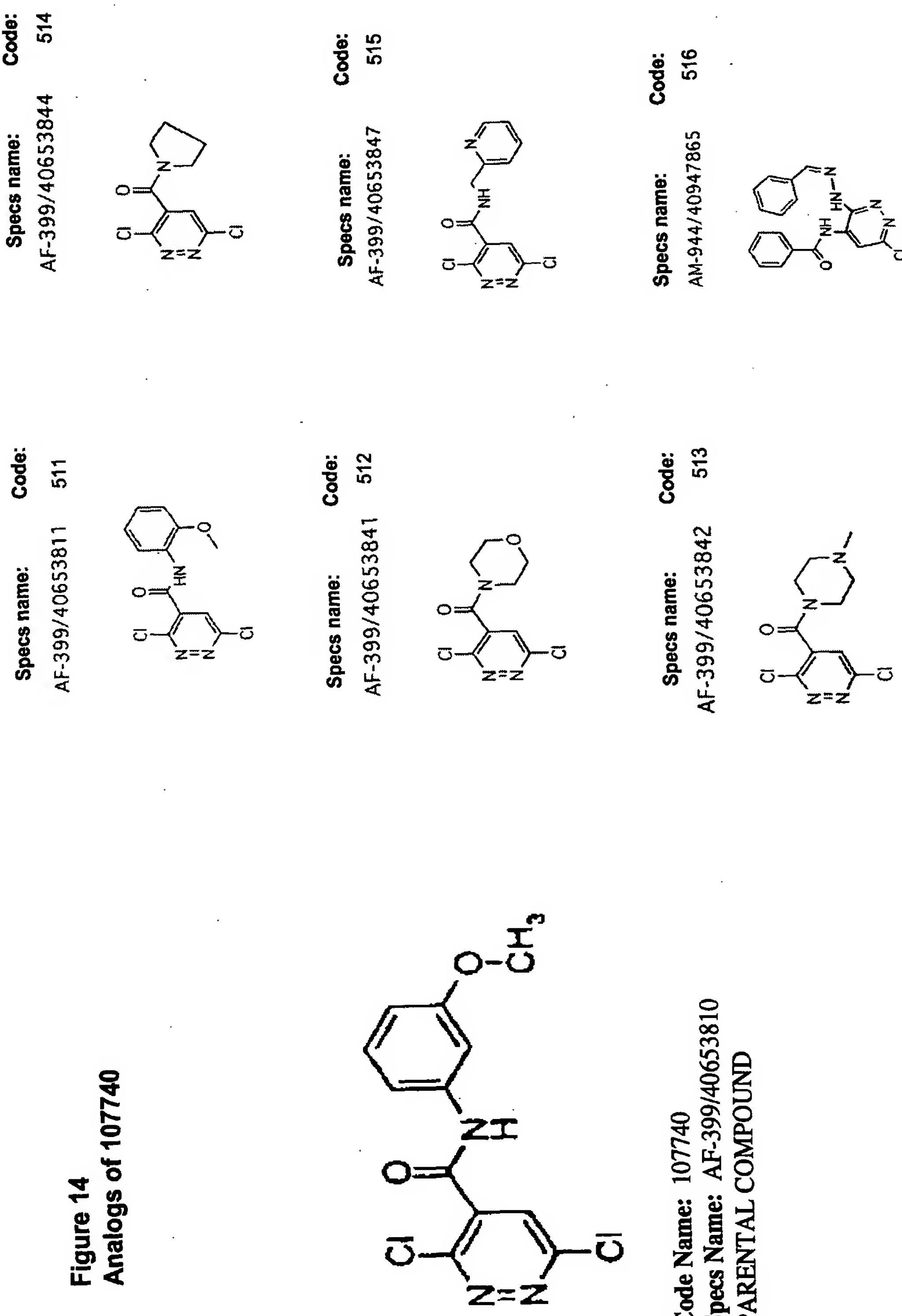


Figure 13
Analogs of 107129

Figure 14
Analogs of 107740



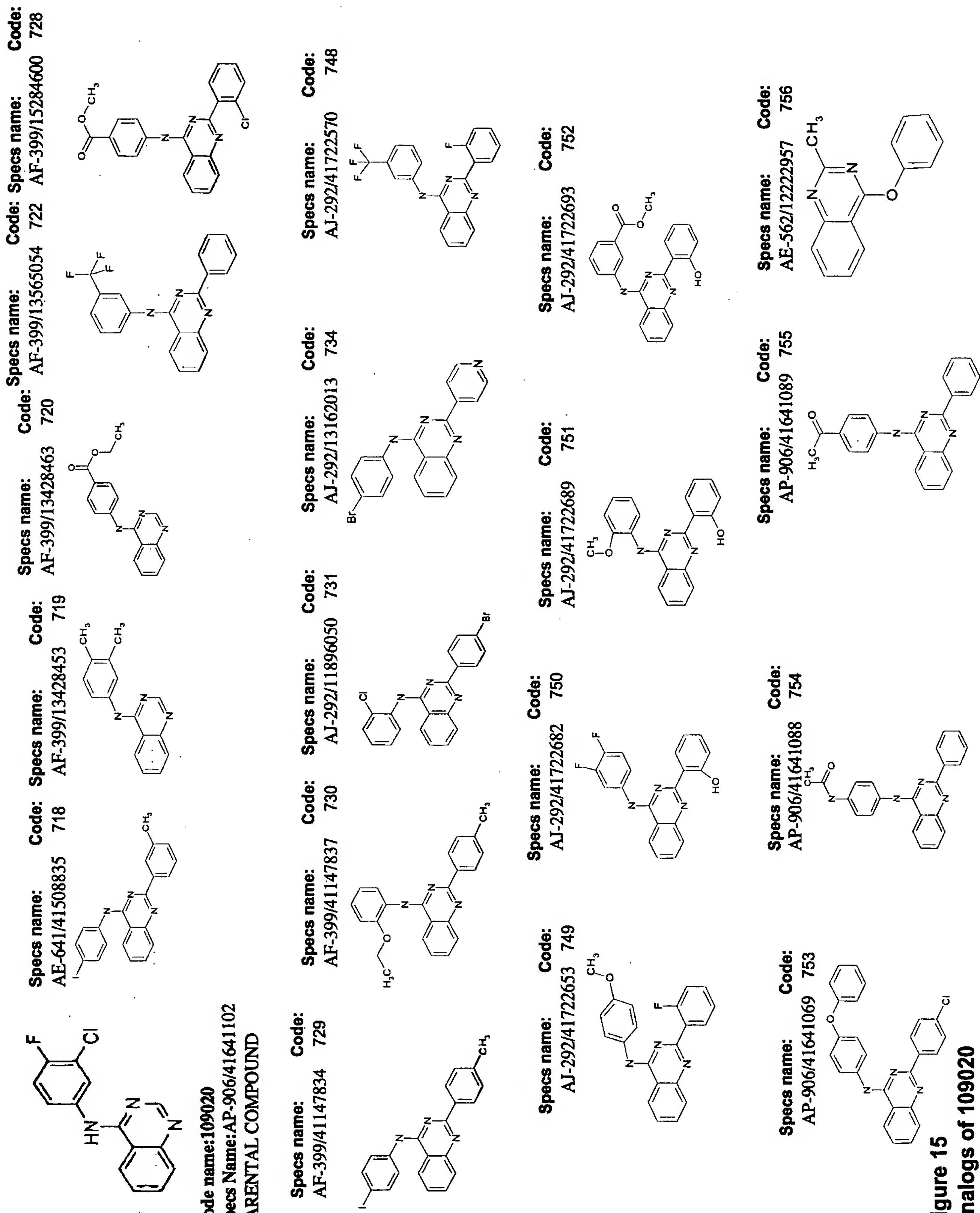


Figure 15
Analogs of 109020